

**Listing of Claims:**

We claim:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Original) A nano-scale sensor comprising in combination:
  - a. separate nano-strips of W and Pt having a partial overlap with one another;
  - b. an electrical insulator onto which said partially overlapped nano-strips are deposited;
  - c. a first output electrode connected to the W nano-strip; and,
  - d. a second output electrode which is electrically separate from the first output electrode connected to the Pt nano-strip.
8. (Original) The sensor of claim 7 wherein said insulator is glass.
9. (Original) The sensor of claim 7 wherein at least one of said electrode includes: Al.
10. (Original) The sensor of claim 7 wherein the nano-strips of W and Pt contain gallium.
11. (Original) The sensor of claim 10 wherein said nano-strips are trimmed.
12. (Original) A nano-scale heater comprising in combination:
  - a. an electrical insulator onto which a plurality of output electrodes are positioned;
  - b. an electrical conductor connected to one of the output electrodes;
  - c. nano-strips of electrical conductor connected to the output electrodes, wherein said nano-strips